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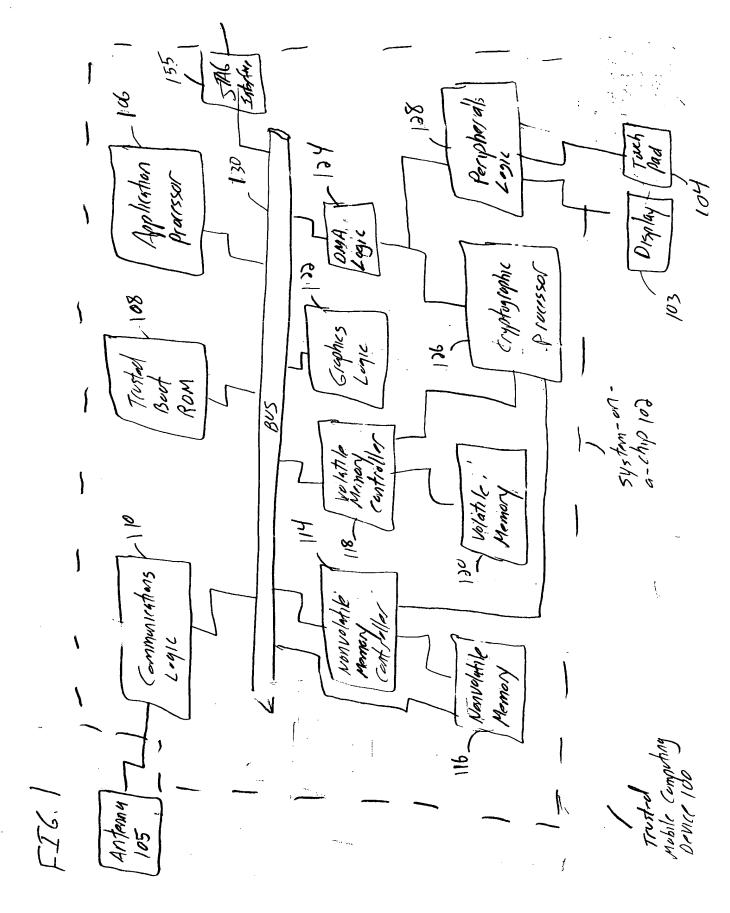
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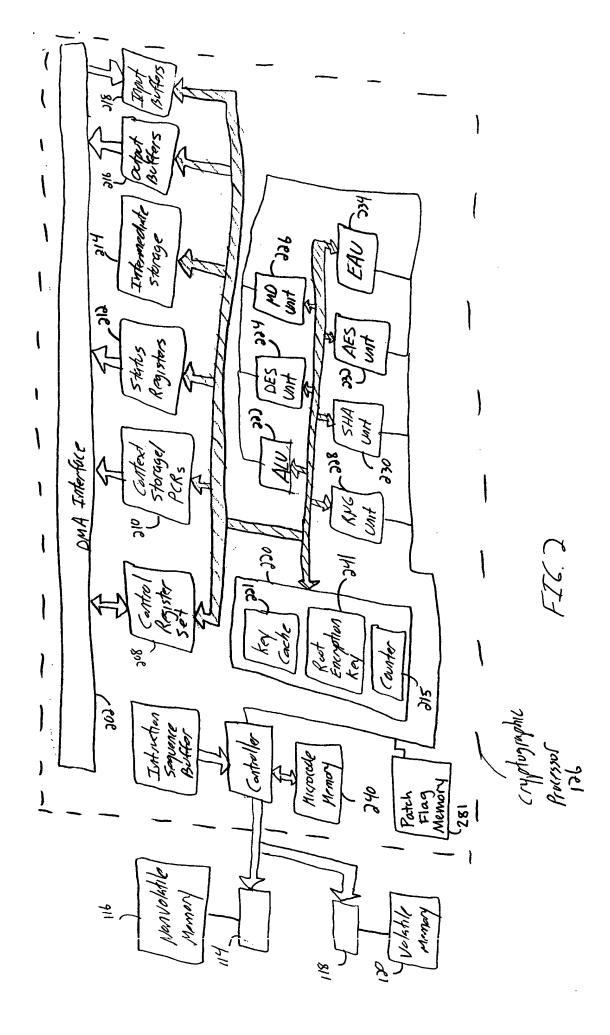
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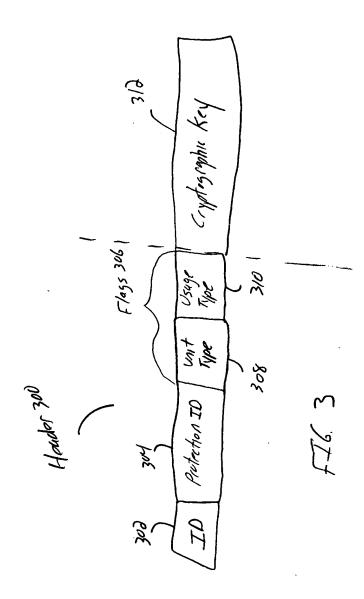
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400 Receive a security service } 402 equest for authentication or cryptographic operations Cenerate at least one primitive instruction based on the security Service request instruction to a cryptographic processor Receive a result of the at least one primitive instruction from the cryptographic processor

F.IG. 4

6500

.502 Verify the RNG unit 228 is generating proper sandom numbers _504 Verify the state of the counter 215 Verty that the functional units are generating proper 508 Verify the volatile

FI6.5

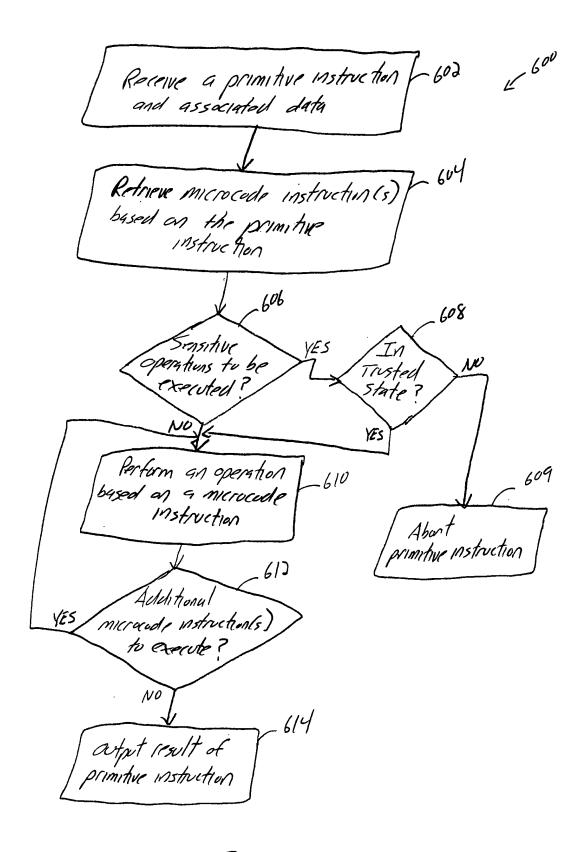


FIG. 6A

650 Receive a primitive instruction
to porterm an operation in a
cryptographic processor that includes
the use of a cryptographic 652 Ko 654 Unit Type and/or usage type for the cryptographic key authorized? NO 664 -656 YES Generate a challenge Abort the primitive instruction 658 Receive a response to the challenge 660 Respusse NO correct ? YES Load the cryptographic Kay into the designated functional unit for execution

FIG. 6B

Instate Trusted But 702 operations for the cryptographic pruessur 104 Patch for the microcode? 106 Loud the patch for the microcode and the cryptographic ky and significa 708 Cryptographic Kay for the patch Valid? 710 7/2 Delete the patch, the cryptographic key and the Signature for the putch valid? 714 Lund putch flags and tag entries for the microcode that is patched

FI6 7

